

**Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only**

EFS ID: **16495**  
Application ID: **10064478**  
Title of Invention: **AVS Slurry Feed Mechanism**  
First Named Inventor: **James Powell**  
Domestic/Foreign Application: **Domestic Application**  
Filing Date: **null**  
Effective Receipt Date: **2002-07-18**   
Submission Type: **Utility Patent Filing**  
Filing Type: **new-utility**  
Confirmation Number: **0**  
Attorney Docket Number: **02-RIC-02**  
Digital Certificate Holder: **cn=Louis Ventre Jr., ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US**  
Certificate Message Digest: **XIAfhckn5LQCN0i4SRUbIW==**  
  
Total Fees Authorized: **\$503.0**

Payment Category: **CC – Credit Card**  
Credit Card Number: **\*\*\*\*\*1030**  
Expiration Date: **11012004**  
Card Holder Name: **Louis Ventre**  
RAM User ID: **EFSPROD**  
RAM Accounting Date: **2002-07-18**  
RAM Sequence Number: **488465**  
RAM Payment Status: **RAM success**  
Postal Code: **22046**



# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket  
Number:

02-RIC-  
02

Submission Type: Utility Patent  
Filing

## AVS Slurry Feed Mechanism

First Named Inventor: Dr. James R. Powell

**SUBMITTED BY**

Name: Mr. Louis Ventre Jr.

Registration Number: 46254

Electronic Signature Mark: /s/ Date Signed: 20020718

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

**Attached Files:**

declaration	declar1.tif
declaration	declar2.tif
small-entity	smallenst.tif
bibd-transmittal	liftapds.xml
specification	specification.xml
us-information-disclosure-statement	liftids.xml

**fee-transmittal**  
**patent-assignments**

**liftfee.xml**  
**liftasgn.xml**

**Attached Image File(s):**

**declar1.tif**  
**declar2.tif**  
**smallenst.tif**

**Comments:**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing

OR

Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number

02-RIC-02

First Named Inventor

Powell, James R.

**COMPLETE IF KNOWN**

Application Number

Filing Date

Art Unit

Examiner Name

As the below named Inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

AVS Liquid Feed Terminal

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY) \_\_\_\_\_

as United States Application Number or PCT International

Application Number \_\_\_\_\_

and was amended on (MM/DD/YYYY) \_\_\_\_\_

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to:  Customer Number  
or Bar Code Label **24221** OR  Correspondence address below

**Name****Address****City****State****ZIP****Country****Telephone****Fax**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR :**  A petition has been filed for this unsigned inventor

**Given Name  
(first and middle [if any])****James R.****Family Name  
or Surname****Powell****Inventor's  
Signature***James Powell**7/16/02*  
**Date****Residence: City****Shoreham****State****NY****Country****USA****US****Citizenship****9 Soundview Drive****Mailing Address****City****Shoreham****State****NY****ZIP****11786****Country****USA****NAME OF SECOND INVENTOR:** A petition has been filed for this unsigned inventor**Given Name  
(first and middle [if any])****Morris****Family Name  
or Surname****Reich****Inventor's  
Signature***Morris Reich**7/16/02*  
**Date****Residence: City****Kew Gardens Hills****State****NY****Country****USA****US****Citizenship****Mailing Address****City****Kew Gardens Hills****State****NY****ZIP****11367****Country****USA**

Additional Inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

[Page 2 of 2]

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) &amp; 1.27(c))--SMALL BUSINESS CONCERN</b>		Docket Number (Optional) 02-RIC-02
<p>Applicant, Patentee, or Identifier: <u>James R. Powell &amp; Morris Reich</u></p> <p>Application or Patent No.: _____</p> <p>Filed or Issued: <u>7-18-02</u></p> <p>Title: <u>AVS Liquid Feed Terminal</u></p> <p>I hereby state that I am:</p> <p><input type="checkbox"/> the owner of the small business concern identified below;</p> <p><input checked="" type="checkbox"/> an official of the small business concern empowered to act on behalf of the concern identified below.</p> <p>NAME OF SMALL BUSINESS CONCERN <u>Radioactive Isolation Consortium, LLC</u></p> <p>ADDRESS OF SMALL BUSINESS CONCERN <u>708 East Broad Street, Falls Church, VA 22046</u></p> <p>I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416.</p> <p>I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:</p> <p><input checked="" type="checkbox"/> the specification filed herewith with title as listed above.</p> <p><input checked="" type="checkbox"/> the application identified above.</p> <p><input type="checkbox"/> the patent identified above.</p> <p>If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).</p> <p>Each person, concern, or organization having any rights in the invention is listed below:</p> <p><input checked="" type="checkbox"/> no such person, concern, or organization exists.</p> <p><input type="checkbox"/> each such person, concern, or organization is listed below.</p> <p>Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)</p> <p>I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))</p> <p>NAME OF PERSON SIGNING <u>Louis Ventre, Jr.</u></p> <p>TITLE OF PERSON IF OTHER THAN OWNER <u>Executive Vice President and General Counsel</u></p> <p>ADDRESS OF PERSON SIGNING <u>2483 Oakton Hills Drive, Oakton, VA 22124-1530</u></p> <p>SIGNATURE <u>Louis Ventre Jr</u> DATE <u>7/18/02</u></p>		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Small Entity

Small Business Concern

**TOTAL FEES AUTHORIZED: \$ 503**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 1030

Expiration Date: 20041101

Authorized Name: Louis Ventre

Billing Address: 22046

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	201	\$ 370

Subtotal For Basic Filing Fee: \$ 370

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 21	203	\$ 9	1	\$ 9
Independent Claims: 5	202	\$ 42	2	\$ 84

Subtotal For Extra Claims Fees: \$ 93

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40